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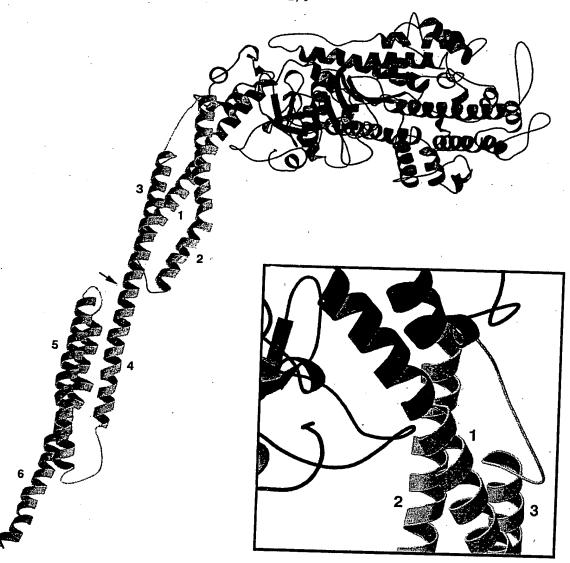


Figure 1A / Figure 1B

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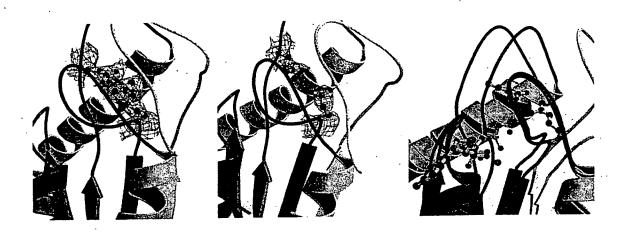


Figure 2A / Figure 2B / Figure 2C

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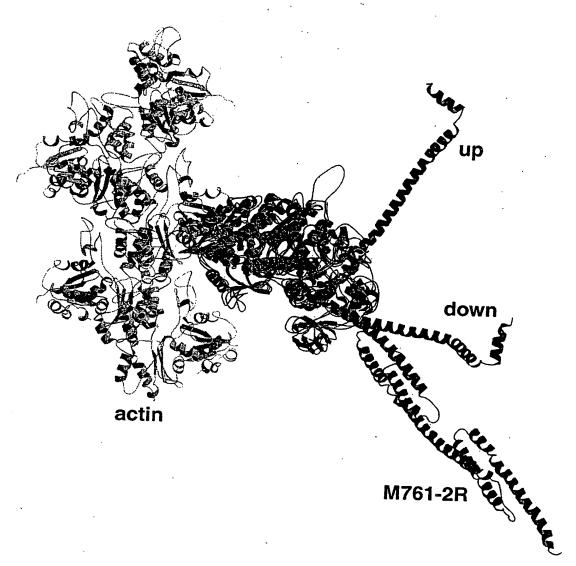


Figure 3

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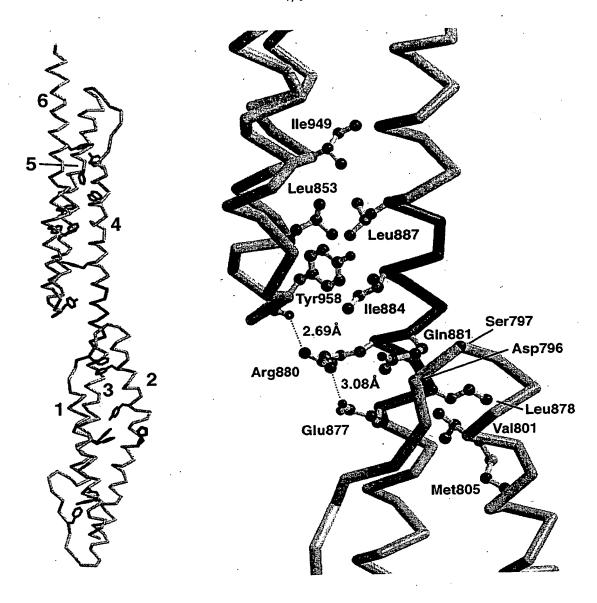


Figure 4A / Figure 4B

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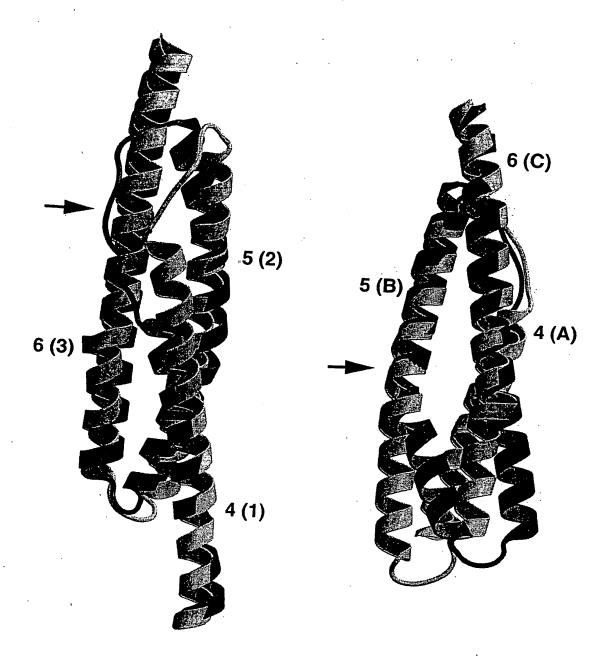


Figure 5A / Figure 5B

MDGTEDPIHDRTSDYHKYLKVKQGDSDLFKLTVSDKRYIWYNPDPKERDSYECGEIVSE TSDSFTFKTVDGQDRQVKKDDANQRNPIKFDGVEDMSELSYLNEPAVFHNLRVRYNQDL IYTYSGLFLVAVNPFKRIPIYTQEMVDIFKGRRRNEVAPHIFAISDVAYRSMLDDRQNQ SLLITGESGAGKTENTKKVIQYLASVAGRNQANGSGVLEQQILQANPILEAFGNAKTTR NNNSSRFGKFIEIQFNSAGFISGASIQSYLLEKSRVVFQSETERNYHIFYQLLAGATAE EKKALHLAGPESFNYLNQSGCVDIKGVSDSEEFKITRQAMDIVGFSQEEQMSIFKIIAG ILHLGNIKFEKGAGEGAVLKDKTALNAASTVFGVNPSVLEKALMEPRILAGRDLVAQHL NVEKSSSSRDALVKALYGRLFLWLVKKINNVLCQERKAYFIGVLDISGFEIFKVNSFEQ LCINYTNEKLQQFFNHHMFKLEQEEYLKEKINWTFIDFGLDSQATIDLIDGRQPPGILA LLDEQSVFPNATDNTLITKLHSHFSKKNAKYEEPRFSKTEFGVTHYAGQVMYEIQDWLE KNKDPLQQDLELCFKDSSDNVVTKLFNDPNIASRAKKGANFITVAAQYKEQLASLMATL ETTNPHFVRCIIPNNKQLPAKLEDKVVLDQLRCNGVLEGIRITRKGFPNRIIYADFVKR YYLLAPNVPRDAEDSQKATDAVLKHLNIDPEQYRFGITKIFFRAGQLARIEEAREQR

Figure 6

MDGTEDPIHDRTSDYHKYLKVKQGDSDLFKLTVSDKRYIWYNPDPKERDSYECGEIVSE  ${\tt TSDSFTFKTVDGQDRQVKKDDANQRNPIKFDGVEDMSELSYLNEPAVFHNLRVRYNQDL}$ IYTYSGLFLVAVNPFKRIPIYTQEMVDIFKGRRRNEVAPHIFAISDVAYRSMLDDRQNQ SLLITGESGAGKTENTKKVIQYLASVAGRNQANGSGVLEQQILQANPILEAFGNAKTTR NNNSSRFGKFIEIQFNSAGFISGASIQSYLLEKSRVVFQSETERNYHIFYQLLAGATAE EKKALHLAGPESFNYLNQSGCVDIKGVSDSEEFKITRQAMDIVGFSQEEQMSIFKIIAG ILHLGNIKFEKGAGEGAVLKDKTALNAASTVFGVNPSVLEKALMEPRILAGRDLVAQHL NVEKSSSSRDALVKALYGRLFLWLVKKINNVLCQERKAYFIGVLDISGFEIFKVNSFEQ LCINYTNEKLQQFFNHHMFKLEQEEYLKEKINWTFIDFGLDSQATIDLIDGRQPPGILA  ${\tt LLDEQSVFPNATDNTLITKLHSHFSKKNAKYEEPRFSKTEFGVTHYAGQVMYEIQDWLE}$  ${\tt KNKDPLQQDLELCFKDSSDNVVTKLFNDPNIASRAKKGANFITVAAQYKEQLASLMATL}$  ${\tt ETTNPHFVRCIIPNNKQLPAKLEDKVVLDQLRCNGVLEGIRITRKGFPNRIIYADFVKR}$ YYLLAPNVPRDAEDSQKATDAVLKHLNIDPEQYRFGITKIFFRAGQLARIEEAREQRLG SEQTKSDYLKRANELVQWINDKQASLESRDFGDSIESVQSFMNAHKEYKKTEKPPKGQE VSELEAIYNSLQTKLRLIKREPFVAPAGLTPNEIDSTWSALEKAEQEHAEALRIELKRQ KKIAVLLQKYNRILKKLENWATTKSVYLGSNETGDSITAVQAKLKNLEAFDGECQSLEG QSNSDLLSILAQLTELNYNGVPELTERKDTFFAQQWTGVKSSAETYKNTLLAELERLQK **IEDALHHHHHHHH** 

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## Figure 8

ATGGATGGTACCGAGGATCCAATTCATGATAGAACTTCAGATTATCACAAATACTTAAA AGTTAAACAAGGTGATTCTGATTTATTTAAACTTACTGTTTCAGATAAGAGATACATTT GGTATAATCCAGATCCAAAAGAAAGAGATTCATATGAATGTGGTGAAATTGTTTĆAGAA TGATGCCAATCAACGTAATCCAATCAAATTCGATGGTGTCGAAGATATGTCTGAATTAT CATACCTCAATGAACCAGCAGTTTTCCACAATCTCCGTGTTCGTTACAATCAAGATTTA ATTTACACCTATTCAGGTCTCTTTTTGGTTGCCGTCAATCCATTCAAGAGAATTCCAAT CTACACTCAAGAGATGGTTGATATCTTCAAAGGTCGTAGAAGAAATGAAGTTGCCCCAC ATATTTTCGCCATTTCTGATGTTGCCTATCGTTCAATGTTAGATGATCGTCAAAATCAA TCACTCTTAATCACTGGTGAATCTGGTGCTGGTAAGACTGAAAAACACCAAAAAGGTCAT TCAATATCTTGCATCTGTCGCTGGTCGTAATCAAGCCAATGGTAGTGGTATTGGAAC AACAAATTCTCCAAGCCAATCCAATCCTTGAAGCTTTTGGTAATGCCAAAACCACCCGT AACAACAATTCATCTCGTTTCGGTAAATTCATTGAAATTCAATTCAACAGTGCTGGTTT CATTAGTGGTGCTTCAATTCAATCCTACCTTTTAGAGAAATCACGTGTCGTTTTCCAAT CTGAAACCGAACGTAATTATCACATTTTCTATCAACTCTTAGCTGGTGCCACCGCCGAA GAAAAGAAAGCTCTTCACTTGGCTGGTCCAGAATCATTCAACTACTTAAATCAAAGTGG TTGTGTTGATATCAAAGGTGTCTCTGATAGTGAAGAATTCAAAATCACTCGTCAAGCTA TGGACATTGTTGGTTTCTCACAAGAAGAACAAATGTCAATCTTTAAGATCATTGCTGGT ATCTTACATTTAGGTAACATCAAATTCGAAAAAGGTGCTGGTGAAGGTGCTGTCCTCAA AGACAAAACCGCCCTCAACGCTGCTTCAACCGTCTTTGGTGTCAATCCATCAGTCCTTG AAAAGGCTCTCATGGAACCACGTATTTTAGCCGGTCGTGATTTAGTTGCTCAACATCTC AACGTTGAAAAATCCTCATCATCAAGAGACGCTCTTGTCAAAGCTCTCTATGGTCGTCT TTTCCTCTGGTTGGTCAAAAAGATCAACAATGTCCTCTGTCAAGAGAGAAAAGCTTACT TTATGTATCAATTATACCAATGAAAAACTCCAACAATTCTTCAATCACCATATGTTCAA ATTGGAACAAGAAGAATATCTTAAAGAGAAAATCAATTGGACTTTCATCGATTTTGGTC TTGATTCACAAGCCACTATCGATTTAATTGATGGTCGTCAACCACCAGGTATTTTAGCT CTTTTGGATGAACAATCTGTTTTCCCAAATGCCACCGATAATACTTTAATCACCAAACT CCACAGTCACTTTAGCAAGAAGAACGCCAAATACGAAGAACCACGTTTCTCCAAAACCG AATTTGGTGTTACCCATTATGCTGGTCAAGTCATGTATGAGATTCAAGATTGGTTAGAA AAGAACAAAGATCCATTACAACAAGATCTCGAACTTTGCTTCAAAGATTCATCAGACAA GAAACCACCAACCCACATTTCGTTCGTTGTATCATTCCAAACAACAACAATTACCAGC CAAACTCGAAGATAAAGTTGTCCTCGACCAATTACGTTGCAATGGTGTCCTCGAAGGTA TTCGTATTACTCGTAAAGGTTTCCCAAATCGTATTATCTATGCCGATTTCGTCAAACGT

TACTATTTATTAGCTCCAAACGTTCCAAGAGACGCTGAAGACTCACAAAAAGCCACCGA TGCTGTTCTCAAACATCTTAACATTGATCCAGAACAATATCGTTTCGGTATCACCAAGA  ${\tt TTTTCTTCCGTGCCGGTCAATTAGCTCGTATTGAAGAAGCTCGTGAACAACGTCTAGGA}$ TCCGAACAAACCAAATCTGATTATCTTAAAAGAGCCAATGAACTCGTTCAATGGATTAA CGATAAACAAGCATCACTTGAATCACGTGATTTTGGTGATTCCATCGAATCTGTTCAAA GTTTCATGAACGCTCATAAAGAATATAAAAAAACCGAAAAACCACCAAAGGGTCAAGAA TGAACCATTTGTTGCACCAGCTGGTCTCACTCCAAATGAAATCGATTCCACTTGGTCCG CTTTAGAGAAAGCTGAACAAGAACATGCTGAAGCCCTCCGTATTGAACTCAAACGTCAA AAGAAAATTGCAGTTCTCTTACAAAAATACAATCGTATTCTCAAGAAACTCGAAAACTG GGCCACCAAATCTGTCTACCTCGGTTCCAATGAAACCGGTGACAGTATCACTGCTG TTCAAGCTAAATTAAAGAATTTAGAAGCTTTTGATGGTGAATGTCAATCATTGGAAGGT CAATCAAACTCTGATCTCCTCAGCATTCTTGCTCAATTAACTGAACTCAACTACAATGG TGTACCAGAACTCACTGAACGTAAAGATACATTCTTTGCTCAACAATGGACTGGTGTTA AATCATCTGCTGAAAACCTACAAAAACACTCTTTTAGCTGAACTTGAAAGACTCCAAAAG ATTGAAGATGCATTACATCATCATCATCATCACCAC

Figure 8 Con't